



Product Evaluation

DR698 | 0914

Engineering Services Program

The following product has been evaluated for compliance with the wind loads specified in the International Residential Code (IRC) and the International Building Code (IBC).

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

For more information, contact TDI Engineering Services Program at (800) 248-6032.

Evaluation ID: DR-698

Effective Date: September 1, 2014

Re-evaluation Date: August 2018

Product Name: Euro-C3 Aluminum Bi-Fold Hinged Doors, Impact and Non-impact Resistant

Manufacturer: Euro-Wall Systems, LLC
24100 Tiseo Blvd.
Punta Goda, FL 33980
(888) 989-3876
<http://euro-wall.com/>

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Euro-C3 Aluminum Bi-Fold Hinged Doors; Standard Sill w/Riser	DP: +60 / - 60 psf Wind Zone 4; Missile Level D	+60 / -60 psf
2	Euro-C3 Aluminum Bi-Fold Hinged Doors; Standard Modified Sill w/o Riser	DP: +60 / - 60 psf Wind Zone 4; Missile Level D	+60 / -60 psf
3	Euro-C3 Aluminum Bi-Fold Hinged Doors; ADA Sill	DP: +60 / - 60 psf	+60 / -60 psf

Product Dimensions:

System	Overall Door Size	Maximum Panel Size	Maximum Panel Daylight Opening Size
1	220.50" x 120"	36.13" x 115.88"	28.88" x 108.50"
2	220.50" x 120"	36.13" x 115.88"	28.88" x 108.50"
3	220.50" x 120"	36.13" x 115.88"	28.88" x 108.50"

Hardware:

- **Jamb Hinge:** Five (5) required per jamb stile. Secure to the door panel with three (3), No. 8/24 x 1-1/2" stainless steel screws and three (3), No. 8/24 x 1-1/2" stainless steel screws.
- **Rolling Hinge:** Two (2) required at the bottom of door panel meeting stile. Secure each hinge leaf to the door panels with three (3), No. 8/24 x 1-1/2" stainless steel screws.
- **Offset Hinge without Handle:** Four (4) required at meeting stiles between door panels. Secure each hinge leaf to the door panels with three (3), No. 8/24 x 1-1/2" stainless steel screws.
- **Offset Hinge with Handle:** One (1) required at center of meeting stiles between door panels 1 and 2 and panels 5 and 6; each hinge leaf is secured to the door panels with three, No. 8/24 x 1-1/2" stainless steel screws.
- **Twin Point Gear-set with Top and Bottom Shoot Bolts:** One (1) required at meeting stiles between door panels 1 and 2 and panels 5 and 6.
- **6-point Door Lock with Top and Bottom Shoot bolts:** Located on the active door panel.
- **Strike plates for 6-point lock:** Three (3) required; located on the door panel astragal. Secure each with two (2), No. 8/32 x 1-1/2" stainless steel screws.
- **Strike Plate for Deadbolt, Lockset, and Rino-hook for 6-point Lock:** One (1) required; located on the door panel astragal. Secure with three (3), No. 8/32 x 1-1/2" stainless steel screws.
- **2-point Lever Lock with Top and Bottom Shoot Bolts:** Located on the lock stile of the inactive door panel.
- **Shoot Bolts:** Bolts slide into channels located at the head and the sill.

Product Identification (Certification Agency Label on Door):

System		
1	Certification Agency	NAMI
	Manufacturer's Name or Code Name	Euro-Wall Systems, LLC
	Product Name	Euro-C3 Bifold Aluminum Door System
	Test Standards	ASTM E 283-04, ASTM E 330-02, ASTM E 547-00; ASTM E 1886-05; ASTM E 1996-06; Missile Level D
2	Certification Agency	NAMI
	Manufacturer's Name or Code Name	Euro-Wall Systems, LLC
	Product Name	Euro-C3 Bifold Aluminum Door System w/Standard Modified Sill
	Test Standards	ASTM E 330-02; ASTM E 1886-05; ASTM E 1996-06; Missile Level D
3	Certification Agency	NAMI
	Manufacturer's Name or Code Name	Euro-Wall Systems, LLC
	Product Name	Euro-C3 Bifold Aluminum Door System w/Standard Modified Sill or ADA Sill
	Test Standards	ASTM E 330-02

Impact Resistance:

System	Impact Resistant	Requirement
1-2	Yes	These products satisfy the Texas Department of Insurance's criteria for protection from windborne debris in the Inland I and Seaward zone . The assemblies may be installed at any height on the structure as long as the design pressure rating for the assemblies is not exceeded.
3	No	Impact protective system required when product is installed in areas where windborne debris protection is required.

Qualified Assemblies: 2-Panel, 3-Panel, 4-Panel, 5- Panel, 6-Panel

Acceptance of Smaller Assemblies: Door assemblies with dimensions equal to or smaller than those specified above are acceptable within the limitations specified in this report.

Installation:

- **Design Drawing:** Install doors in accordance with Drawing No. EUR0008, titled “Euro-C3 Bifold Aluminum Door System – Impact,” sheets 1 through 8 of 8, dated July 18, 2013, signed and sealed by Robert James Amoruso, P.E. on August 26, 2014. The stated drawings will be referred to as the approved drawings in this evaluation report.
- **Wall Framing Construction:** Doors may be mounted to several types of wall framing construction. The types of wall framing construction allowed include:
 - Concrete (minimum compressive strength: 2,000 psi)
 - Hollow concrete block (ASTM C-90)
 - Wood dimension lumber (minimum Southern Yellow Pine)

Installation Details:

- Refer to Sheet 1 of 8 of the approved drawing for the general notes and design pressure ratings.
- Refer to Sheet 2 of 8 of the approved drawing for approved configurations and installation notes.
- Refer to Sheet 3 of 8 of the approved drawing for elevation and anchoring layout.
- The approved drawings indicate the minimum embedment depths for the fasteners and the minimum edge distances (minimum distance fastener must be from the edge of the substrate material) for the fasteners.

Note: The manufacturer’s installation instructions shall be available on the job site during installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC), the International Building Code (IBC), and the Texas Revisions.